

Appl. No.: 10/773,838
Amdt. dated: January 11, 2005
Reply to Office action of November 8, 2004

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An apparatus for sharpening a tool comprising a blade having a bevel face defining a cutting edge, said apparatus comprising:

- (a) a movable substantially planar abrasive surface;
- (b) a guide post arranged substantially normal to said planar abrasive surface;
- (c) a tool holder including a first portion defining a bore ~~slidably engaging said guide post so that said tool holder is movable in a direction substantially normal to said planar abrasive surface, said tool holder further including a tool rest surface to support a blade of a tool and a second portion defining a bore, said tool rest surface being securable at an angle to said bore and said bore being slidably engageable with said guidepost to permit enabling~~ said bevel face of said blade to be secured substantially parallel in an angular relationship to said planar abrasive surface and moved from a position remote from said abrasive surface to a position in contact with said abrasive surface without substantial change in said angular relationship; and
- (d) a clamp to restrain said blade of said tool to said tool rest surface.

Claim 2 (original): A tool sharpening apparatus for use with a drill press having a power rotatable chuck and a workpiece positioning table, said tool sharpening apparatus comprising:

- (a) a disk including a shaft affixed to and rotatable with said disk, said shaft retainable in said chuck, said disk further including a substantially planar abrasive surface arranged substantially normal to said shaft;
- (b) a base;
- (c) a base retainer to restrain said base to said table of said drill press;
- (d) a guide post affixed to said base and extending substantially normal to said planar abrasive surface;

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- (e) a guide block including portions defining a bore slidably engaging said guide post;
- (f) a tool rest including a tool rest surface for supporting a blade of a tool for sharpening, said tool rest being attached to and selectively rotatable with respect to said guide block to permit said tool rest surface to be fixed at a selected angle to said bore; and
- (g) a clamp to restrain a blade of a tool to said tool rest surface.

Claim 3 (original): A method for sharpening a tool having a cutting edge defined by a bevel face, said method comprising the steps of:

- (a) securing an abrasive disk in a chuck of a drill press, said abrasive disk including a substantially planar abrasive surface arranged substantially normal to an axis of rotation of said chuck;
- (b) securing a guide post to a table of said drill press, said guide post extending substantially parallel to said axis of rotation of said chuck;
- (c) clamping a tool to be sharpened to a tool rest surface of a tool holder;
- (d) slidably engaging said guide post with a bore in said tool holder;
- (e) fixing said tool rest surface at an angle to a longitudinal axis of said guide post such that said bevel face is substantially parallel to said planar abrasive surface;
- (f) rotating said chuck; and
- (g) exerting a force in a direction of said planar abrasive surface to move and press said bevel face of said tool into contact with said moving abrasive surface.